



SEQUENCE LISTING

<110> Stinson, Jeffrey R.  
Wong, Hing  
O' Brien, Alison D.  
Schmitt, Clare K.  
Melton-Celsa, Angela

<120> Humanized Monoclonal Antibodies That  
Protect Against Shiga Toxin Induced Disease

<130> 50111/043002

<140> 09/215,163

<141> 1998-12-18

<150> 60/068,635

<151> 1997-12-23

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 cctggacagg gcctggaatg gattggatat atttatcctg gaaatggtgg tactaactac 180  
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 <213> Shigella dysenteriae

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 35 40 45  
 Gly Tyr Ile Tyr Pro Gly Asn Gly Gly Thr Asn Tyr Ile Gln Lys Phe  
 50 55 60  
 Lys Gly Lys Ala Ile Leu Thr Ala Asp Thr Ser Ser Ser Thr Ala Tyr  
 65 70 75 80  
 Met Gln Ile Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys  
 85 90 95  
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 100 105 110  
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 ggacaatctc ctaaatttct gatttactgg gcatccacac ggcacactgg agtccctgat 180  
 cgcttcacag gcagtggatc tgggacagat ttactctca ccattaccaa tgtgcagtct 240  
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 <213> Shigella dysenteriae

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 20 25 30  
 Val Ala Trp Tyr Gln Gln Asn Pro Gly Gln Ser Pro Lys Phe Leu Ile  
 35 40 45  
 Tyr Trp Ala Ser Thr Arg His Thr Gly Val Pro Asp Arg Phe Thr Gly  
 50 55 60  
 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Thr Asn Val Gln Ser  
 65 70 75 80  
 Glu Asp Leu Ala Asp Tyr Phe Cys Gln Gln Tyr Ser Ser Tyr Pro Leu  
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<400> 39  
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 tggtagcagc agaaaccagg gcagtctcct aaagtgtgta ttactgggc atctactagg 180  
 gaatctgggg tccctgatcg cctcacaggc agtggatctg ggacagattt cactctcacc 240  
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20 25 30  
Arg Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln  
35 40 45  
Ser Pro Lys Val Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val  
50 55 60  
Pro Asp Arg Leu Thr Gly Ser Gly Thr Asp Phe Thr Leu Thr  
65 70 75 80  
Ile Ser Ser Val Lys Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln  
85 90 95  
Tyr Tyr Ser Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu  
100 105 110  
Lys

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<212> DNA

<213> Shigella dysenteriae

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aatggagaga gccttgagtg gattggaaaa attgatcctt actatgggtg tcctagctac 180  
aaccagaagt tcaaggacaa ggccacattg actgtagaca agtcttccag cacagcctac 240  
atgcagttca agagcctgac atctgaggac tctgcagtct attactgtac aagaggggga 300  
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<213> Shigella dysenteriae

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20 25 30  
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35 40 45  
Gly Lys Ile Asp Pro Tyr Tyr Gly Gly Pro Ser Tyr Asn Gln Lys Phe  
50 55 60  
Lys Asp Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Thr Ala Tyr  
65 70 75 80  
Met Gln Phe Lys Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys  
85 90 95  
Thr Arg Gly Gly Asn Arg Asp Trp Tyr Phe Asp Val Trp Gly Ala Gly  
100 105 110  
Thr Thr Leu Thr Val Ser Ala  
115